CERTIFICATO DI CONFORMITÀ CE

Prodotto : **WX388**

Questo prodotto è conforme alle disposizioni in vigore, secondo l'applicazione delle esigente fondamentali dell'articolo 3 delle direttive R&TTE 1999/5/EC.
Direttive :

Utilizzazione efficace dello spettro della frequenza radio (Articolo 3.2 delle direttive R&TTE)
Standard applicati **EN 300 220-1,3:2000**

Compatibilità elettromagnetica (Articolo 3.1.b delle direttive R&TTE)
Standard applicati **EN 301 489-1,3:2000**
Standard applicati **EN 300 339:2000**

Informazioni supplementari
Il prodotto è conforme alle direttive degli apparecchi a bassa tensione 73/23/EWG come alle direttive concernenti la compatibilità elettromagnetica 89/336/EWG.
Porte il marchio del certificato CE corrispondente.

Conforme Nei Seguenti Paesi
Tutti i stati europei EU, in Svizzera (CH)
Norvegia (N)

CE 0125

cresta

WEATHER STATION WITH CABLE FREE IN-OUT THERMOMETER AND RADIO CONTROLLED CLOCK

WX388

USER'S MANUAL

KSPO:1667-09(SAC)
cresta TE388NL & TS02X MANUAL(ENG)
SIZE:W65 X H105(mm)
BY C Y WU 4/03/10

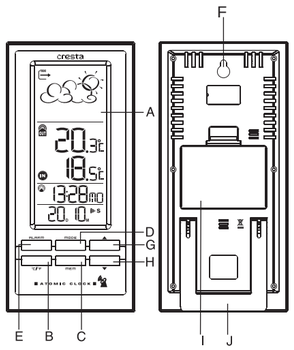
1. INTRODUCTION

Congratulations on your purchase of the **WX388**.

The basic package comes with a main unit, which is the weather forecast station and, a remote unit, the thermo sensor.

The main unit is capable of keeping track of the maximum and minimum temperature of different sites. And no wire installation is required and operates at 433MHz.

MAIN FEATURES:MAIN UNIT



A DISPLAY
Facilitates easy reading of remote and indoors temperatures and calendar clock

B °C/°F BUTTON
Toggle for setting temperature display unit °C or °F

C MEMORY [MEM] BUTTON
Recalls the maximum or minimum temperature of main and remote units

D MODE BUTTON
Toggles the display modes and confirms entry while setting the values for display

E ALARM BUTTON
Displays the alarm time or sets the alarm status

F WALL-MOUNT RECESSED HOLE
For mounting the main unit on a wall

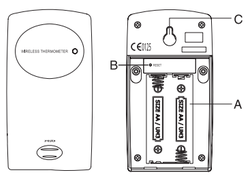
G UP (▲) BUTTON
Advances the value of a setting

H DOWN (▼) BUTTON
Decreases the value of a setting

I BATTERY COMPARTMENTS
Accommodates two UM-3 or "AA" size 1.5V batteries

J TABLE STAND
For standing the main unit on a flat surface

MAIN FEATURES: REMOTE UNIT



A BATTERY COMPARTMENT
Accommodates two AA-size batteries

B RESET BUTTON
Press to reset all settings

C WALL-MOUNT RECESSED HOLE
Supports the remote until in wall-mounting

2. GETTING STARTED

2a) BEFORE YOU BEGIN

For best operation,
1. Insert batteries for remote units before doing so for the main unit.
2. Position the remote unit and main unit within effective transmission range, which, in usual circumstances, is 20 to 30 meters.
   Note that the effective range is vastly affected by the building materials and where the main and remote units are positioned.
   Try various set-ups for best result.
   Though the remote units are weather proof, they should be placed away from direct sunlight, rain or snow.

2b) BATTERY INSTALLATION: REMOTE UNIT
1. Remove the screws on the battery compartment.
2. Install 2 batteries (UM-3 or "AA" size 1.5V) strictly according to the polarities shown.
3. Replace the battery compartment door and secure its screws.

2c) BATTERY INSTALLATION: MAIN UNIT
1. Open the battery compartment door.
2. Install 2 batteries (UM-3 or "AA" size 1.5V) strictly according to the polarities shown.
3. Replace the battery compartment door.

2d) HOW TO USE THE TABLE STAND OR WALL MOUNTING
The main unit has a table stand, which when connected, can support the unit on a flat surface. Or you can mount the unit on a wall using the recessed screw hole.

2e) GETTING STARTED
Once batteries are in place for the remote unit, they will

start transmitting temperature readings at around 45-second intervals. The main unit will also start searching for signals for about two minutes once batteries are installed. Upon successful reception, the outdoors temperatures will be displayed .The main unit will automatically update its readings at about 45-second intervals.

If no signals are received, blanks "**˙˙**.-" will be displayed. Hold [▼] for 2 seconds to enforce another search for about 2 minutes. This is useful in synchronizing the transmission and reception of the remote and main units.
Repeat this step whenever you find discrepancies between the reading shown on the main unit and that on the remote unit.

2f) LOW BATTERY WARNING: REMOTE UNIT
When it is time to replace batteries, the respective low-battery indicator [ ] next to the outdoor temperature will be shown on the main unit's display.

2g) LOW BATTERY WARNING: MAIN UNIT
When it is time to replace batteries, the respective low-battery indicator [ ] next to the time with seconds will be shown on the main unit's display.

3. WEATHER FORECAST

3a) WEATHER FORECAST
The unit is capable of detecting atmospheric pressure changes. Based on collected data, it can predict the weather for the forthcoming12 to 24 hours.

Indicator displays on the unit					
Forecast	Sunny	Slightly Cloudy	Cloudy	Rainy	Snowy

NOTE:
1. It is not necessary and not possible to adjust the altitude of the weather station. After the initial start-up of the weather station, a first forecast will be made within the first 24 hours of operation.
2. In periods of long stable weather conditions, it becomes difficult to make a reliable forecast.
3. The weather forecast is solely calculated on the basis of barometric air pressure changes.
4. The probability of a correct weather forecast is approximately 70% and is valid for an area of approx. 20-30 km around the location of the weather station.
5. The forecast "Sunny" means at night "cloudless weather". Fog is not indicated by the weather station as this can occur with different weather conditions.
6. If you travel with the weather station, a reliable weather forecast will become impossible due to 24 hours so that the weather station can calculate a new forecast based on the conditions at the new location.

3b) ATMOSPHERIC PRESSURE
The atmospheric pressure indicator, in the weather forecast window, uses arrows to indicate if the atmospheric pressure is increasing, remaining stable, or decreasing.

Arrow indicator			
Pressure Trend	Rising	Steady	Falling

4. THERMOMETER

4a) HOW TO CHECK REMOTE AND INDOOR TEMPERATURES
The wave display on the outdoors temperature indicates the reception of the remote unit is in good order.
If no readings are received from the remote unit for more than two minutes, blanks "**˙˙**.-" will be displayed until further readings are successfully searched. Check the remote unit is sound and secure. You can wait for a little while or hold [▼] for 2 seconds to enforce an immediate search.
If the temperature goes above or below than the temperature measuring range of the main unit or the remote unit (stated in specification), the display will show "**˙˙**.-"

4b) HOW TO READ THE KINETIC WAVE DISPLAY
The kinetic wave display shows the signal receiving status of the main unit. There are three possible forms:

The unit is in searching mode.	- - .-
Temperature readings are securely registered.	25.4
No signals.	- - .-

4c) MAXIMUM AND MINIMUM TEMPERATURES
The maximum and minimum recorded indoor temperature, outdoor temperatures will be automatically stored in memory.
To display them, Press **[MEM]** once to display the maximum readings and again the minimum readings.
The respective indicators,
[MAX] or **[MIN]** will be displayed.
To clear the memory, hold down **[MEM]** for two seconds.
The maximum and minimum readings will be erased

Note: If you press[MEM] now, the maximum and minimum readings will have the same values as the current ones until different readings are recorded.

4d) DISCONNECTED SIGNALS
If without obvious reasons the display of the outdoor temperature goes blank, hold [▼] for 2 seconds to enforce an immediate search.
If that fails, check:
1. The remote unit is still in place.
2. The batteries of both the remote unit and main unit. Replace as necessary.
3. The transmission is within range and path is clear of obstacles and interference. Shorten the distance when necessary.

Note: When the temperature falls below freezing point, the batteries of outdoor units will freeze, lowering their voltage supply and the effective range.

4e) TRANSMISSION COLLISION
Signals from other household devices, such as door bells, home security systems and entry controls, may interfere with those of this product and cause temporarily reception failure. This is normal and does not affect the general performance of the product. The transmission and reception of temperature readings will resume once the interference recedes.

5. RADIO CONTROLLED CLOCK

5a) HOW TO SET THE RADIO CONTROLLED CLOCK
*After the batteries are installed, the clock will automatically search the radio signal. It takes about 3-5 minutes to finish this process.
*If the radio signal is received, the date & time will be set automatically with radio control signal icon [ ] turns on.
*If the clock fails to receive the time signal, it will be with the [ ] icon turns off. Then user can set the time manually.

*Radio-controlled signal will be scheduled to receive every hour.

Receiving	- Strong	- No singal	No symbol -signal receptiion disabled

5b) HOW TO SET THE CLOCK MANUALLY
To set clock manually, hold **MODE** button for 3 seconds, the day of the week abbreviation will be flashing.
Press the [▼] or [▲] button to select between English, German, French, Italian, Spanish, Dutch and Swedish.
Press **MODE** button to confirm. Repeat the same procedure to set year digit, month digit, date digit, calendar format, hour format, hour digit and minute digit.
When you finished, press **MODE** button to exit and the display will be returned to the clock mode.

5c) CALENDAR CLOCK DISPLAY MODES
The time is displayed in hour-minute format.
The calendar is displayed in a day-month format.
Each press on the **MODE** button will change the display between clock with second, clock with day of week, zone time with day of week, and zone time with second.

5d) HOW TO SET THE ZONE TIME
To set the zone time, press **MODE** until at zone time display mode.
Hold **MODE** button for 3 seconds, the time zone offset will be displayed.
Press the [▼] or [▲] button to enter offset interval from - 13:00 to + 15:00 hours to the current time.
Press **MODE** button to confirm and exit.

6. BELL / ALARM

6a) ALARM FEATURE
Weekday Alarm
This is a repeat alarm that will activate daily from Monday to Friday at a set time. When alarm is on, alarm icon [W] will be flashing.
Single Alarm
This is a single alarm that will activate once on Sat or Sun at a set time.
When alarm is on, alarm that will activate once on Sat or Sun at a set time.
When alarm is on, alarm icon[S] will be flashing.

6b) HOW TO SET AND ARM THE ALARM
To set an alarm,
1. Press [**ALARM**] once to display alarm time. If the alarm is disarmed, the time will be displayed as " OFF ".
2. Hold [**ALARM**] for two seconds. The hour digits will blink.
3. Enter the hour using [▼] or [▲].
4. Press [**ALARM**]. The minute digits will blink.
5. Enter the minutes using [▼] or [▲].
6. Press [**ALARM**] to exit and the respective alarm icons [W] and [S] will be activated.

6c) HOW TO STOP AN ALARM
1. Press [**ALARM**] button to stop the alarm immediately.

2. To turn off the alarm, press [▼] or [▲] button to change the alarm time display as "OFF".
3. If no button is pressed, the alarm will be sounded for 2 minutes and then deactivated automatically.

7. SPECIFICATIONS

Temperature Measurement
Main unit
Indoor Temperature measurement

Proposed operating range	: -5°C to + 50°C/ 23°F to 122°F
Temperature resolution	: 0.1°C 0.2°F
Remote unit	
Proposed operating range	: -10°C to + 60°C/ 14°F to 140°F
Temperature resolution	: 0.1°C 0.2°F
RF Transmission Frequency	: 433 MHz
RF Transmission Range	: Maximum 30 meters (open area)
Temperature sensing cycle	: around 43~47 seconds
Power	
Main unit	: use 2 pcs UM-3 or "AA" 1.5V battery
Remote sensing unit	: use 2 pcs UM-3 or "AA" 1.5V battery
Weight	
Main unit	: 198g (without battery)
Remote sensing unit	: 60g (without battery)
Dimension	
Main unit	: 88 x 185 x 28 mm
Remote sensing unit	: 55.5 x 101 x 24 mm

PRECAUTIONS
This product is engineered to give you years of satisfactory service if you handle it carefully. Here are a few precautions:
1. Do not immerse the unit in water.
2. Do not clean the unit with abrasive or corrosive materials. They may scratch the plastic parts and corrode the electronic circuit.
3. Do not subject the unit to excessive force, shock, dust, temperature or humidity, which may result in malfunction, shorter electronic life span, damaged battery and distorted parts.
4. Do not tamper with the unit's internal components. Doing so will invalidate the warranty on the unit and may cause unnecessary damage. The unit contains no user-serviceable parts.
5. Only use fresh batteries as specified in the user's manual. Do not mix new and old batteries as the old ones may leak.
6. Always read the user's manual thoroughly before operating the unit.

CAUTION
- The content of this manual is subject to change without further notice.
- Due to printing limitation, the displays shown in this manual may differ from the actual display.
- The contents of this manual may not be reproduced without the permission of the manufacturer.

CE-DECLARATION OF CONFORMITY

Product : **WX388**

This product contains the approved transmitter and complies with the essential requirements of Article 3 of the R&TTE 1999/5/EC Directives, if used for its intended use and that the following standard(s) has/have been applied:

Efficient use of radio frequency spectrum (Article 3.2 of the R&TTE Directive)
applied standard(s) **EN 300 220-1,3:2000**

Electromagnetic compatibility (Article 3.1.b of the R&TTE Directive)
applied standard(s) **EN 301 489-1,3:2000**
applied standard(s) **EN 300 339:2000**

Additional information:
The product is therefore conform with the Low Voltage Directive 73/23/EC, the EMC Directive 89/336/EC and R&TTE Directive 1999/5/EC (appendix II) and carries the respective CE marking.

RTTE Compliant Countries :
All EU countries, Switzerland (CH)
And Norway (N)

CE 0125